

Environment, Natural Resources and Agriculture Science, Evidence and Policy Conference 2024

Prof. Mathew Williams

Chief Scientific Adviser, ENRA, Scottish Government



- Discuss key strategic issues in the environment and rural economy
- Showcase excellence in Scottish Government funded research
- Build networks and collaborations









Edzell's "flood defence system stood up to the brunt of Storm Babet. It was due in no small part to the effective work of the **Edzell Flood Group**. The group has been in existence for more than a decade."

The Courier

RESAS

Rural & Environmental Science and Analytical Services



SEFARI











Royal Botanic Garden Edinburgh



























Reflections on Scotland's Science and Evidence Needs for Decision Making

Prof. Mathew Williams

Chief Scientific Adviser, ENRA, Scottish Government

The Science-evidence-policy process for decision support

- What is the right approach to deploy science and evidence in government?
- Is our current approach fit for purpose?
- How should we shape an evolution to this system?
- Q&A

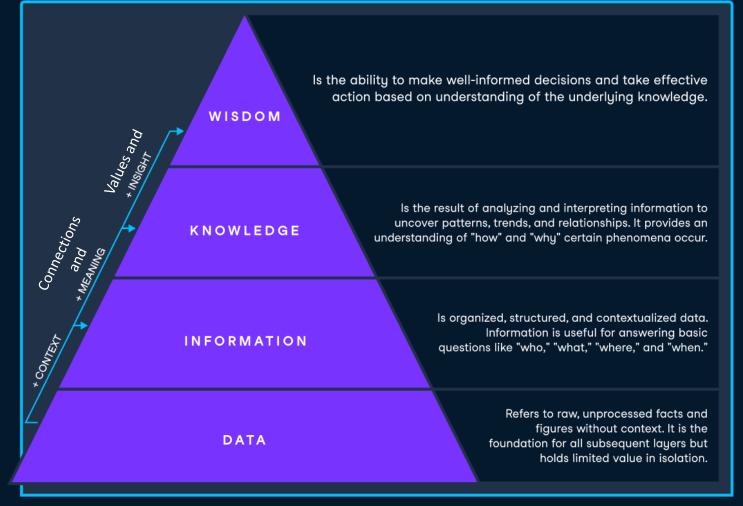
Data->information->knowledge->wisdom

analyse synthesise systematise

Decision risk

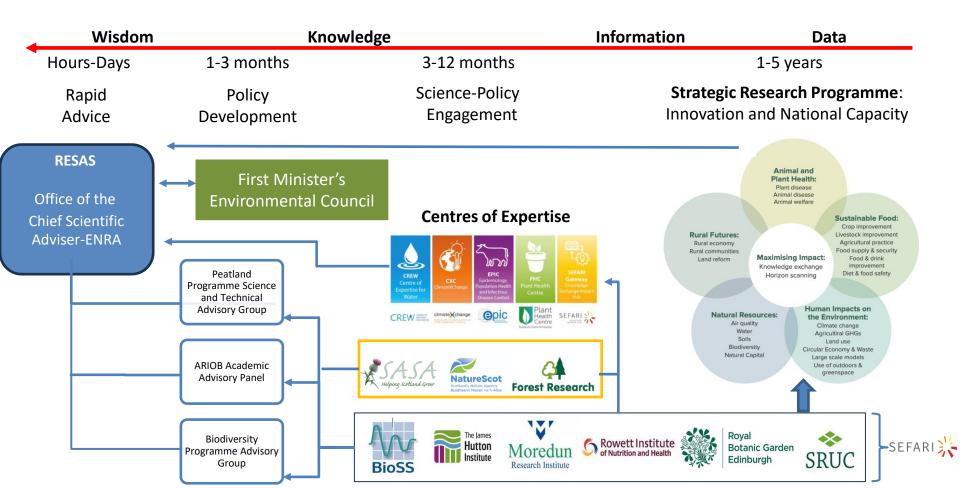
High Low

DIKW



Modified from Datacamp

CSA-ENRA: pathways for science-policy engagement





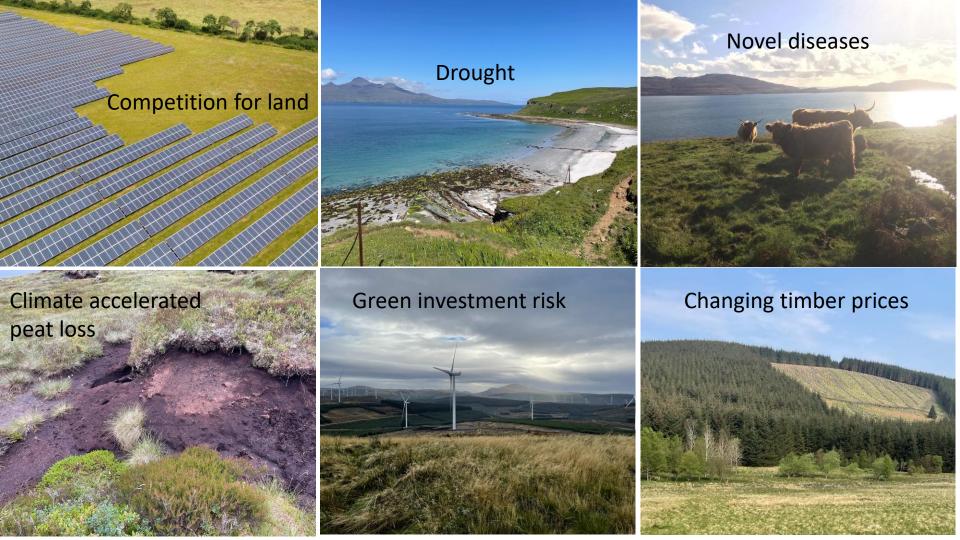


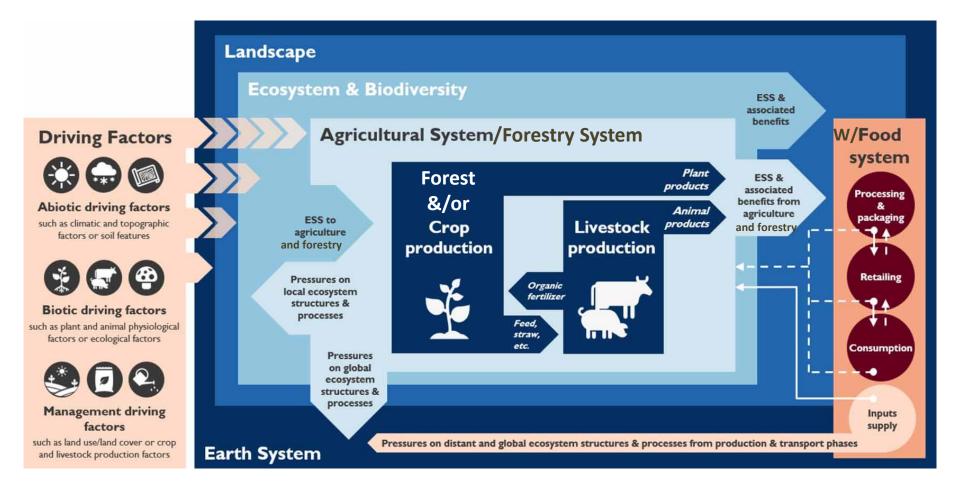












The Science-evidence-policy process for decision support

- Information systems research provides a framework to deploy science and evidence in government - DIKW
- Our current advice system fits within this framework, but its decision support capacity could be strengthened
- There are examples of decision support tools we could adopt, adapt and link to the SRP – how do we progress?